

**COMBINED DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- original
- divisional
- continuation
- continuation-in-part

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**TITLE OF INVENTION**

*"System and Method for Reducing Charged Particle Contamination"*

**SPECIFICATION IDENTIFICATION**

The specification of which:

- is attached hereto
- was filed on @, under Serial No. (unknown), executed on even date herewith; or
- Express Mail No. @ (as Serial No. not yet known)
- and was amended on \_\_\_\_\_ (if applicable)
- was described and claimed in PCT International Application No. \_\_\_\_\_
- filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

**ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

**PRIORITY CLAIM (35 U.S.C. §119)**

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

No such applications have been filed.  
 Such applications have been filed as follows:

**A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119**

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

**B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application**

Country:  
Application No:  
Filing date:

**C. US Provisional applications filed within 12 months prior to this U.S. Application**

Application No: 60/409,919  
Filing date: 9/10/2002

**PRIORITY CLAIM (35 U.S.C. §120)**

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

No such applications have been filed  
 Such applications have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Patented Pending</u>	<u>Status</u>	<u>Abandoned</u>

**POWER OF ATTORNEY**

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa	Registration No. 25,610
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Michael B. Einschlag	Registration No. 29,301
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Joseph Bach	Registration No. 37,771
Robert W. Mulcahy	Registration No. 25,436
Walter Benjamin Glenn	Registration No. 44,713
ATTY in charge of case	Registration No

**Send correspondence to:** **Direct telephone calls to:**

Patent Counsel, MS/2061  
Legal Affairs Dept.  
Applied Materials, Inc.  
P. O. Box 450A  
Santa Clara, CA 95052.

#### **DECLARATION**

*I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.*

Full name of sole or first inventor: **Dror Shemesh**

Inventor's signature: Dror Date: 11/6/03  
Residence: 17 Ben-Zvi St., Petach-Tikva 49375, Israel  
Post Office Address:

Country of Citizenship: ISRAEL

**(Declaration ends with this page)**

RECORDATION FORM COVER SHEET  
PATENTS ONLY

U.S. Department of Commerce  
Patent And Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):

**Dror Shemesh**

Date  
06/11/03

2. Name and address of receiving party(ies):

Name: Applied Materials, Israel Ltd.

\_\_\_\_\_

Street Address: 9 Oppenheimer Street

Internal Address: M/S 5800

City: Rehovot State: IL Zip: 76705

Additional name(s) of conveying party(ies) attached? Yes  No

3. Nature of conveyance:

Assignment  Merger

Security Agreement  Change of Name

Other \_\_\_\_\_

Execution Date: SEE ABOVE

Additional name(s) & address(es) attached? Yes  No

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is: 6-19-03 (Date of Filing)

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: APPLIED MATERIALS, Inc

Internal Address: PATENT COUNSEL, M/S 2061

Street Address: P.O. Box 450-A

City: Santa Clara State: CA Zip: 95052

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41) \$ 40.00  
 Enclosed

Authorized to be charged to deposit account

50-1074

8. Deposit account number:

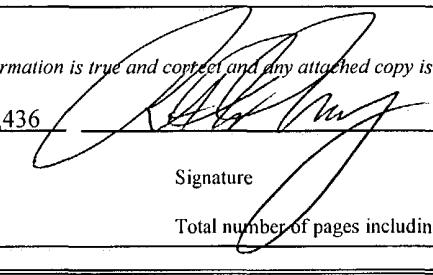
50-1074

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

ROBERT W. MULCAHY Reg. No. 25,436



6-19-03

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

**ASSIGNMENT FOR APPLICATION FOR PATENT**

WHEREAS:

Names and Addresses  
of Inventors:

1)	Dror Shemesh 17 Ben-Zvi St. Petach- Tikva, 49375 Israel
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(herein after referred to as Assignors), have invented a certain invention entitled:

***"System and Method for Reducing Charged Particle Contamination"***

for which application for Letters Patent in the United States was filed on @ ,  
under Serial No. @ , executed on even date herewith; and

WHEREAS, Applied Materials, Israel Ltd., having a place of business at 9 Oppenheimer,  
Rehovot, Israel 76705 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title  
and interest in and to said application (hereinafter referred to as Application), and the invention disclosed  
therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore  
conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates  
and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries  
and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said  
Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive  
right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for  
patents on said Invention in any and all countries pursuant to the International Convention for the  
Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all  
Patents granted on said Invention in any and all countries and groups of countries, including each and  
every Application filed and each and every Patent granted on any application which is a division,  
substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of  
any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable  
said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in  
any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt  
production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications,  
declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said  
Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for  
prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or  
additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of  
any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for  
legal proceedings involving said Invention and any application therefor and any Patents granted thereon,  
including without limitation opposition proceedings, cancellation proceedings, priority contests, public use

proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) 11/6/03, 2003 Dror  
Dror Shemesh